

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2004/002119

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: G06F 15/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPAT, USPTO, IEEE XPLORE (associative, neuron, sequences, layer, inputs, expression)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6052679 A (APARICIO, IV et al.) 18 April 2000 Abstract, columns 1,2, column 16 lines 1-20	1-3
X Y	US 5937432 A (YAMAGUCHI et al.) 10 August 1999 Abstract, figures Column 1 line 52 to column 2 line 11	1,10,30,98,99 100,101
X	US 5852815 A (THALER) 22 December 1998 Abstract, figures	32,36,40
X Y	WO 95/00920 A1 (THE UNITED STATES OF AMERICA, represented by the THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES) 5 January 1995, Whole document, especially Page 5 lines 24-31, page 7 lines 10-22, page 9 lines 14-18, page 27 lines 1-3, Fig. 13	1-3,10, 30,98,99 100,101

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
24 September 2004

Date of mailing of the international search report
29 SEP 2004

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C (Continuation).

DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	HUMPERT, B. "BIDIRECTIONAL ASSOCIATIVE MEMORY WITH SEVERAL PATTERNS" IJCNN 1990 17-21 June 1990 Section 3, Section 4, Figures	1-3, 10,30,98,99 100,101
Y	WANG L. "Multi-associative neural networks and their applications to learning and retrieving complex spatio-temporal sequences" IEEE Transactions on Systems, Man and Cybernetics February 1999 Whole document, especially Figure 2, section II	1-3, 10,30,98,99 100,101

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/IB2004/002119

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	6052679				
US	5937432	JP	9231189		
US	5852815	AU	21120/97	CA	2243120
		US	5845271	US	5852816
		WO	9727525	EP	0892957
				US	6014653
WO	9500920	AU	72110/94	US	5446829
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					